CLAIMS

1. A material for treating aneurysms, which is composed of a polymer material containing carbon as a constitutional element, and which is produced by modifying at least a portion of the surface thereof by ion bombardment.

2. The material for treating aneurysms according to claim 1 wherein the polymer material containing carbon as a constitutional element is expanded polytetrafluoroethylene (ePTFE), polylactic acid, silicone, or silk.

3. The material for treating aneurysms according to claim 1 or 2 wherein modification by ion bombardment is carried out by ion implantation using an ion beam with an acceleration energy that is between 1 keV and 2 MeV.

4. The material for treating aneurysms according to any of claims 1 to 3 wherein modification by ion bombardment is carried out by ion implantation within a dose volume φ such that $1 \times 10^{12} \leq \varphi < 1 \times 10^{17}$ ions/cm^2.

5. A method for producing a material for treating aneurysms, which is characterized in that ions are implanted into at least a portion of the surface of a polymer material containing carbon as a constitutional element, within a dose volume φ such that $1 \times 10^{12} \leq \varphi < 1 \times 10^{17}$ ions/cm^2.

6. The production method according to claim 5 wherein the polymer material containing carbon as a constitutional element is expanded polytetrafluoroethylene (ePTFE), polylactic acid, silicone, or silk.